

<b>EMERGENCY SERVICES DIVISION</b>  <b>BROOKHAVEN NATIONAL LABORATORY</b>		Procedure No: FR-FEX-4.0.2  Revision No: 2  Page 1 of 2
<b>Title: PORTABLE FIRE EXTINGUISHER MAINTENANCE</b>		
<p>1.0 <b><u>PURPOSE:</u></b></p> <p>1.1 Portable fire extinguishers are the first line of defense against fires and their successful use depends on proper maintenance.</p> <p>1.2 Maintenance is a thorough check of the extinguisher. It is intended to give the maximum assurance that an extinguisher will operate effectively and safely.</p> <p>2.0 <b><u>RESPONSIBILITIES:</u></b></p> <p>2.1 The Fire/Rescue Group is responsible for extinguisher maintenance for the site.</p> <p>3.0 <b><u>DEFINITIONS:</u></b> None</p> <p>4.0 <b><u>PREREQUISITES:</u></b> None</p> <p>5.0 <b><u>PRECAUTIONS:</u></b> None</p> <p>6.0 <b><u>PROCEDURE:</u></b></p> <p>6.1 Fire extinguisher maintenance is scheduled using the Barcode System. Work orders are created for each extinguisher (by building) according to the type of extinguisher and the maintenance schedules defined by NFPA-10, 1990. Task E100 has been assigned to extinguisher maintenance task.</p>		
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<p align="center"><b>EMERGENCY SERVICES DIVISION PROCEDURE BROOKHAVEN NATIONAL LABORATORY</b></p>	<p>Procedure No. FR-FEX-4.0.2</p>
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6.2 Maintenance procedures shall include a thorough examination of the three basic elements of an extinguisher (Reference NFPA-10, Section 4-4, 1990).

6.2.1 Mechanical parts

6.2.1.1 Check seals, safety pins, and tamper indicators.

6.2.1.2 Check exterior surfaces for bumps, abrasions, corrosion, physical damage, or abuse; including horn and hose assembly and nozzles for obstructions.

6.2.2 Extinguishing agent

6.2.2.1 Accurately determine the charged weight by scale weight. Mark the total weight on the extinguisher maintenance tag.

6.2.3 Expelling means

6.2.3.1 Check gauge pressure against the operating pressure depending on type of extinguisher.

6.3 Complete the E-100 Extinguisher Maintenance Work Order Form for entry into the Barcode System.

6.4 The completed work order is reviewed by the Captain responsible for extinguisher maintenance oversight, and given to the data entry clerk for close out of the work order in the Barcode System.

#### **7.0 IMPLEMENTATION AND TRAINING:**

None

#### **8.0 REFERENCES:**

None

#### **9.0 ATTACHMENTS**

E-100 Extinguisher Work Order Form.